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**ASSIGNMENT**

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WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for Letters Patent of the United States has been filed on 26 September 2006 under Serial No. ; and

WHEREAS, The University Court of the University of St. Andrews, a corporation organized and existing under the laws in the Country of the United Kingdom, with a place of business at College Gate, North Street, St. Andrews, Fife KY16 9AJ, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said The University Court of the University of St. Andrews, its successors and assigns, my/our entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said The University Court of the University of St. Andrews, as assignee of my entire right, title and interest.

I also hereby sell and assign to The University Court of the University of St. Andrews, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said The University Court of the University of St. Andrews, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said The University Court of the University of St. Andrews, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

I hereby further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	<b><u>Steam Electrolysis</u></b>
SIGNATURE OF INVENTOR AND NAME	John Thomas Sirr IRVINE
DATE	
RESIDENCE (CITY AND STATE)	3 Thirdpart Holdings, Anstruther, KY10 3LF United Kingdom
DATE APPLICATION EXECUTED	

TITLE OF INVENTION	<b><u>Steam Electrolysis</u></b>
SIGNATURE OF INVENTOR AND NAME	Angela RUTH
DATE	
RESIDENCE (CITY AND STATE)	13 Pilot Square, Footdee, Aberdeen, Aberdeen, AB11 5DS United Kingdom
DATE APPLICATION EXECUTED	

TITLE OF INVENTION	<b><u>Steam Electrolysis</u></b>
SIGNATURE OF INVENTOR AND NAME	Cristian Daniel SAVANIU
DATE	
RESIDENCE (CITY AND STATE)	9 Tom Morris Drive, St. Andrews, KY16 8EW United Kingdom
DATE APPLICATION EXECUTED	

TITLE OF INVENTION	<b><u>Steam Electrolysis</u></b>
SIGNATURE OF INVENTOR AND NAME	Shanwen TAO
DATE	
RESIDENCE (CITY AND STATE)	23 Windram Place, St. Andrews, KY16 8XH United Kingdom
DATE APPLICATION EXECUTED	

**DECLARATION AND  
POWER OF ATTORNEY**

**Docket No. MC1-8354**

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention Steam Electrolysis the specification of which

\_\_\_\_\_ is attached hereto  
X was filed on 26 September 2006 as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_. (if applicable)  
\_\_\_\_\_ was filed on \_\_\_\_\_ as International Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_. (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim priority benefits under Title 35, United States Code, §119(e) of any provisional application(s) listed below and have also identified below any provisional application(s) having a filing date before that of the application on which priority is claimed:

Prior Provisional Application(s):

Priority Claimed  
☐ Yes ☐ No

\_\_\_\_\_  
(Number) (Day/Month/Year Filed)

I hereby claim the benefit under United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>PCT/GB2005/001169</u> (Application Serial No.)	<u>24 March 2005</u> (Filing Date)	<u>pending</u> (Status-patented, pending, abandoned)
<u>GB 0406818.5</u> (Application Serial No.)	<u>26 March 2004</u> (Filing Date)	<u>pending</u> (Status-patented, pending, abandoned)

**DECLARATION AND  
POWER OF ATTORNEY**

**Docket No. MC1-8354**

I hereby appoint as principal attorneys: Christopher P. Harris, Reg. No. 43,660; and Gary J. Pitzer, Reg. No. 39,334 each with full power to prosecute this application, to transact all business in the United States Patent and Trademark Office connected therewith, and to appoint and revoke associate and substitute associate attorneys.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Address all correspondence to: Christopher P. Harris  
Tarolli, Sundheim, Covell & Tummino, L.L.P.  
1300 East Ninth Street, Suite 1700  
Cleveland, OH 44114  
Phone: 216-621-2234 ext 104

Name of Inventor: John Thomas Sirr IRVINE  
Residence and Post Office Address: 3 Thirdpart Holdings  
Anstruther, KY10 3LF, United Kingdom  
Country of Citizenship: United Kingdom  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Name of Inventor: Angela KRUTH  
Residence and Post Office Address: 13 Pilot Square  
Footdee, Aberdeen, AB11 5DS, United Kingdom  
Country of Citizenship: Germany  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**DECLARATION AND  
POWER OF ATTORNEY**

**Docket No. MC1-8354**

Name of Inventor: Cristian Daniel SAVANIU  
Residence and Post Office Address: 9 Tom Morris Drive  
St. Andrews, KY16 8EW, United Kingdom  
Country of Citizenship: Romania  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Name of Inventor: Shanwen TAO  
Residence and Post Office Address: 23 Windram Place  
St. Andrews, KY16 8XH, United Kingdom  
Country of Citizenship: China  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_